



Australian Government

MARF035 Contribute to fire prevention and firefighting (basic firefighting)

Release: 1

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Modification History

Release 1. This is the first release of this unit of competency in the MAR Maritime Training Package.

Application

This unit involves the skills and knowledge required to prevent and control fires and to respond effectively to any fire emergency onboard a vessel.

It applies to deck and engine workers working in the maritime industry requiring a Certificate of Safety Training.

This unit applies to people working in the maritime industry in the capacity of:

- Chief Integrated Rating
- Electro-Technical Officer (STCW Electro-Technical Officer Unlimited)
- Engineer Class 3 Near Coastal
- Engineer Watchkeeper (STCW Engineer Watchkeeper Unlimited)
- Integrated Rating
- Master of a commercial ship less than 80 metres in length within the exclusive economic zone (EEZ)
- Master of a commercial vessel less than 500 gross tonnage (GT)
- Master of a commercial vessel Unlimited
- Watchkeeper Deck.

Licensing/Regulatory Information

This unit is equivalent to and delivers the objectives of the following STCW provisions:

- STCW Reg VI/1 and Code Section A-VI/1 (2), Table A-VI/1-2.

Legislative and regulatory requirements are applicable to this unit.

- Regulatory requirements include STCW International Maritime Organization (IMO) model course competencies and areas of knowledge, understanding and proficiency, together with the estimated total hours required for lectures and practical exercises. Teaching staff should note that timings are suggestions only and should be adapted to suit individual groups of trainees depending on their experience, ability, equipment and staff available for training.

Near Coastal Qualifications:

- This unit is one of the requirements to obtain Australian Maritime Safety Authority (AMSA) certification as an Engineer Class 3 Near Coastal or Master less than 80 metres Near Coastal

as defined in the Marine Order 505 (Certificates of competency - National Law) 2013.

Blue Waters Qualifications:

- This unit is one of the requirements to obtain AMSA certification as a Chief Integrated Rating, Electro-Technical Officer (STCW Electro-Technical Officer Unlimited), Engineer Watchkeeper (STCW Engineer Watchkeeper Unlimited), Integrated Rating, Master of a commercial vessel less than 500 gross tonnage (GT), Master Unlimited or Watchkeeper Deck and to meet regulatory requirements this unit must be delivered consistent with Marine Orders and with the relevant sections of the International Convention on Standards of Training, Certification and Watchkeeping for Seafarers (STCW).

Pre-requisite Unit

Not applicable.

Competency Field

F - Operational Quality and Safety

Unit Sector

Not applicable.

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Actively prevent fire

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

1.1 Fire hazards (pre-conditions for fire) onboard a vessel are identified and rectified according to workplace procedures

1.2 Onboard procedures for preventing fire are accessed and implemented

2 Prepare response to fire

2.1 Location and class of fire is identified

2.2 Alarm is raised

2.3 Condition of firefighting equipment and systems in work area is monitored according to planned maintenance schedules

- 2.4 Realistic drills and musters are practised to ensure pre-incident readiness of response personnel
 - 2.5 Appropriate protective equipment (PPE), including self-contained breathing apparatus (SCBA) is made ready
 - 2.6 All available means to limit the spread of fire and smoke are employed
 - 2.7 Appropriate pumps and ancillary equipment are readied to support firefighting operations
 - 2.8 Extinguishing media/agent is selected according to the class/classes of fire
- 3 Combat fire**
 - 3.1 Threats to life or health are identified within the emergency area
 - 3.2 Activities and tactics to combat the fire are selected so that the safety of the vessel and all onboard is not compromised
 - 3.3 Fire is located and access is gained in the safest and most timely manner
 - 3.4 Fire is attacked using the extinguishing media/agent and application techniques appropriate to the class and size of fire
 - 3.5 SCBA is donned and used correctly while undertaking fire extinguishment and rescue
 - 3.6 Effectiveness of combat activities and tactics is evaluated and altered, as required
 - 3.7 Communication is maintained to ensure safety and efficiency of firefighting operation
- 4 Complete post-fire activities**
 - 4.1 Fire watch is maintained to prevent further outbreak
 - 4.2 Fire scene is preserved prior to investigation, as appropriate
 - 4.3 Information relating to the incident is provided as part of fire debriefing session

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit Mapping Information

This unit replaces and is equivalent to MARF008 Prevent and fight fires on board a vessel.

Links

Companion Volume implementation guide can be found in VetNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=772efb7b-4cce-47fe-9bbd-ee3b1d1eb4c2>